

apparatus. Such apparatus 600 may be implemented as the apparatus creating the measurement configurations according to various embodiments of the invention, or be implemented as UE device according to various embodiments of the invention. Wherein, the transceiver 600D may be an integrated component for transmitting and/or receiving signals and messages. Alternatively, the transceiver 600D may comprise separate components to support transmitting and receiving signals/messages, respectively. The DP 600A may be used for processing those signals and messages. The PROG 600C is assumed to comprise program instructions that, when executed by the DP 600A, enable the apparatus to operate in accordance with the exemplary embodiments, as discussed above, such as the foregoing steps/operations shown in FIGS. 2 and 3. That is, the exemplary embodiments of the present invention may be implemented at least in part by computer software executable by the DP 600A of the apparatus 600, or by hardware or firmware, or by a combination thereof. The MEM 600B may be of any type suitable to the local technical environment and may be implemented using any suitable data storage technology, such as semiconductor based memory devices, flash memory, magnetic memory devices and systems, optical memory devices and systems, fixed memory and removable memory. The DP 600A may be of any type suitable to the local technical environment, and may comprise one or more of general purpose computers, special purpose computers, microprocessors, digital signal processors (DSPs) and processors based on multi-core processor architectures, as non-limiting examples.

[0090] According to another embodiment of the invention which is not shown in accompany figures, an apparatus may comprise various means, modules and/or components for implementing functions of the foregoing steps/operations shown in FIGS. 2 and 3. As easily understood by those skilled in the art, those elements or components arranged in the apparatus can be further combined with each other or be further split for meeting specific requirements when implementing the invention in a particular environment.

[0091] In general, the various exemplary embodiments may be implemented in hardware or special purpose circuits, software, logic or any combination thereof. For example, some aspects may be implemented in hardware, while other aspects may be implemented in firmware or software which may be executed by a controller, microprocessor or other computing device, although the invention is not limited thereto. While various aspects of the exemplary embodiments of this invention may be illustrated and described as block diagrams, flow charts, or using some other pictorial representation, it is well understood that these blocks, apparatus, techniques or methods described herein may be implemented in, as non-limiting examples, hardware, software, firmware, special purpose circuits or logic, general purpose hardware or controller or other computing devices, or some combination thereof.

[0092] It will be appreciated that at least some aspects of the exemplary embodiments of the inventions may be embodied in computer-executable instructions, such as in one or more program modules, executed by one or more computers or other devices. Generally, program modules comprise routines, programs, objects, components, data structures, etc. that perform particular tasks or implement particular abstract data types when executed by a processor in a computer or other device. The computer executable instructions may be stored on a computer readable medium such as a hard disk,

optical disk, removable storage media, solid state memory, random access memory (RAM), and etc. As will be realized by one of skill in the art, the functionality of the program modules may be combined or distributed as desired in various embodiments. In addition, the functionality may be embodied in whole or in part in firmware or hardware equivalents such as integrated circuits, field programmable gate arrays (FPGA), and the like.

[0093] With the description provided herein, the embodiments may be implemented as a machine, process, or article of manufacture by using standard programming and/or engineering techniques to produce programming software, firmware, hardware or any combination thereof. The terms “article of manufacture” and “computer program product” as used herein are intended to encompass a computer program that exists permanently or temporarily on any computer-usable medium or in any transmitting medium which transmits such a program.

[0094] Although specific embodiments of the invention have been disclosed, those having ordinary skill in the art will understand that changes can be made to the specific embodiments without departing from the spirit and scope of the invention. The scope of the invention is not to be restricted therefore to the specific embodiments, and it is intended that the appended claims cover any and all such applications, modifications, and embodiments within the scope of the present invention.

1-35. (canceled)

36. An apparatus, comprising:

at least one processor; and

at least one memory comprising computer program code, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus to at least:

determine at least one cell in a network which shares context of at least one user equipment with at least one other cell within the network;

create at least one measurement configuration being used by the at least one user equipment, wherein the at least one measurement configuration indicates at least to the at least one user equipment that it can decide whether to perform a cell change without transmitting back a measurement report to its serving cell; and

transmit the created at least one measurement configuration to the at least one user equipment.

37. The apparatus according to claim 36, wherein the created at least one measurement configuration indicates to the at least one user equipment such enabled self decision on cell change by a specific pre-defined identifier and/or by any different configurations compared with measurement configurations of a user equipment assisted and network controlled handover procedure.

38. The apparatus according to claim 36, wherein the apparatus is configured to perform measurement at any appropriate frequencies comprising at least one of inter-frequency, intra-frequency and inter radio access technologies.

39. The apparatus according to claim 36, wherein the created measurement configuration further comprises information indicating at least one of following:

at least one neighbor cell of said at least one cell which shares the context with at least one other cell;

at least one frequency to be measured;

at least one measurement event; and